PTO/SB/OBA (10-01) Approved for use through 10/31/2002, OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unters it contains a valid OMB control number 10.10

					Complete if Kn Wn
Substitute	for form 1449A/PTO			Application Number	10/612,667
			VOLIDE	Filing Oate	07/02/03
	RMATION DIS			First Named Inventor	Richard BEARD, et al.
STA1	EMENT BY A	PPL	ICANT	Arl Unit	4020 1624 1
	(Use as many sheels as n	ecessary)	Examiner Name	Unknown MCKlyza
Sheet	1	of	3	Attorney Oocket Number	600-33-DIV

			U.S.	PATENT DOCUMENTS	
Examiner tritists*	Cite No.1	Document Number Number-Vind Codd" (T Inners)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JU		US-5.877,207	03/02/99	Klein, et al.	
- <u>11</u>		US-4,898,872	02/06/90	Campbell, et al.	
		US-5,773,594	06/30/98	Johnson, et al.	
		US-5,505,083	03/09/96	Hines	
		US-5,808,124	09/15/98	Beard, et al.	
		US-5,952,345	09/14/99	Klein et al.	
		US-5,958,954	09/28/99	Klein et al.	
_		US-5,618,931	04/08/97	Beard et al.	
	·	US-5,489,584	02/06/96	Vuligonda, et al.	
		US-5,559,248	09/24/96	Starrett, Jr., et al.	
		US-5,648,514	07/15/97	Johnson, et al.	
		US-5,455,265	10/03/95	Chandraratna	
-4-		US-5,763,635	06/09/98	Vullgonda	
		US-			
		US-			
		US-			
	· · · ·	US-			
		US-			
	†	US-			
		US-			

			FOREIGN	PATENT DOCUMENTS	
Examiner Initials"	Cite No.'	Foreign Patent Document Country Code Humber Hand (I known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevan Passages or Relevant Figures Appear T ⁴
70	,	WO 9845242 A1	10/15/98	Shudo, et al.	
		French Pateni 94 05019	10/27/95	Bemardon, Jean-Michel	
		Japanese Patent JP63132864		Masamoto, et al.	
		EPO 0 661 259 A1		Starrett, et al.	
THE I		WO 93/11755	05/24/93	Evans, et al.	
				^	
Examin Signatu		Jon W.	C	Te Date Considered	1/3/07

*EXAMINER: Initial if reference considered, whether or not clasten is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at <u>www.uspio.gov</u> or MPEP 901.04. *Enter Office that issued the document, by the two-latter code (WIPO Standard ST 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual cese. any comments on the amount of time you are required complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES FOR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

UT D 8 DI

Sta TRADE



PTO/SB/08B (10-01) Approved for use through 10/31/2002. OMB 0851-0031 U.S. Petent and Trademark office: U.S. DEPARTMENT OF COMMERCE

٥

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

				Com	plete if Known
INFO	RMATION	DIS	CLOSURE	Applicant Number	10/612,667
	-			Filing Date	07/02/03
JIAI		MENT BY APPLICANT First Named Inventor Richard BEARD, et al.			Richard BEARD, et al.
lu lu	ise as many she	ets as	necessarv)	Group Art Unit	1626-1624
10				Examiner Name	Unknown MC RUIZO
Sheet	2	of	3	Attorney Docket Number	600-33-DIV

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
A		DAWSON, et al., Chemistry and Biology of Synthetic Retinoids, 1990,. 334-335 and 324-	
ch.		356, CRC Press inc.	
/ト ~			
		VERMA et al., Cancer Research, 1977, 2196-2201, 37	
		O'BRIEN et al., Cancer Research, 1975, 1662-1670	
		FEIGNER P.L. et al., Focus, 1989, 112	
		·	\Box
		HEYMAN et al., Cell, 1992, 397-406, 68	
		ALLEGRETTO et al., J. Biol. Chem., 26625-26633, 268	
	1		Π
	1		ГП
		MANGELSDORF et al., The Retinoids: Biology, Chemistry, and Medicine, 319-349, Raven	m
		Press Ltd., New York	Ы
			Ы
		CHENG et al., Biolochemical Pharmacology, 3099-3108, 22	- Ff
			ΙĦΙ
			Ы
		KLEIN et al., J. Biol. Chem., 1996, 22692-22696, 271	-77
			H
			H
		CHEN et al., Mol. Cell. Biol., 1987, 2745-2752, 7	
	r	UILLY CLAIN, 17101. CCII. DIVI., 1707, 2743-2732, 7	IHI
			IHI
			ييا
Examin		Date	
			_

EXAMINER: Initial il reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Considered

Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

0

Signature

Burden Hour Statement. This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patants, Washington, DC 20231 PTO/SB/08B (10-01) Approved for use through 10/31/2002. OMB 0851-0031 U.S. Patent and Trademark office: U.S. DEPARTMENT OF COMMERCE B Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

				Com	plete if Kn_wn			
	RMATION	DIS	CLOSURE	Applicant Number	10/612,667			
STATEMENT BY APPLICANT					07/02/03			
				First Named Inventor	Richard BEARD, et al.			
· ()	ise as many she	ets as	necessarv)	Group Art Unit	1620-1624,1			
,-	···· ·			Examiner Name	Linknown MC Keliza			
Sheet	3	of	3	Attorney Docket Number	600-33-DIV			

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
qu	ł	DE WET, Mol. Cell. Biol., 1987, 725-737, 7	
		NAGPAL et al., Embo J., 1993, 2349-2360, 12	
		JOHNSON et al., 1999, 1321-1338, 7	
······		MARCH, Advanced Organic Chemistry, 2 nd edition, McGraw-Hill Book Company, pg. 357, 810,1124	
		MCOMIE, Plenum Publishing Press, 1973 and Protecting Groups, Ed. Greene, John Wiley & Sons, 1981.	
· · · · · · · · · · · · · · · · · · ·		COREY et al., Tet. Lett., 1979, 399	
		OMURA et al., Tetrahedron, 1978, 34, 1651	
		OLD et al., J. Am. Chem. Soc., 1998, 120, 9722	
d		LAKSHMAN et al., J. Am. Chem. Soc., 1999, 121, 6090	
Examin			

*EXAMINER: Initial if reference considered, whether or not distion is in conformance with MPEP 609. Draw line through diation if not in conformance and not considered. Include copy of this form with next communication to applicant.

10

Considered

6 J

Applicant's unique citation designation number (optional). *Applicant is to place a check mark here if English language Translation is attached.

Ur

Signature

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

MAR 3 ⁰ 2005

PHILIAN OF TRAD	EMAStander	the Paperwork Reduction Act o	f 1995, no	persons are req	U.S. Patent a uired to respond to a collection	PTO/SB/OBA (10-01) Approved for use through 10/31/2002. OMB 0651-0031 and Trademark Office: U.S. DEPARTMENT OF COMMERCE of Information unless it contains a valid OMB control number Complete if Known	
	Substitute	for form 1449A/PTO				Complete if Known	
	Sanziiaia				Application Number	10/612,667	
		SUPPLEMEN	TAL		Filing Date	07/02/03	
	INF	ORMATION DIS	CLOS	SURE	First Named Inventor Beard, et al.		
	ST	ATEMENT BY A	PPLIC	CANT	Art Unit	1624	
		Use as many sheets as n	ecessary	0	Examiner Name	MCKENZIE, THOMAS C	
	Sheet	1	of	2	Attorney Docket Number	600-33-DIV	

	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.'	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
X		US-5,405,851							
M		US-5,616,712							
'n		US-5,808,083							
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							
		US-		· · · · · · · · · · · · · · · · · · ·					
		US-			······································				
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							

			FOREIGN	PATENT DOCUMENTS		
Examiner Initials*	Cite No.4	Foreign Patent Document ountry Code -Number -Kind (il known)	Publication Dat MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T4
N		EP 1 061 081 A	12-20-00			
1/		EP 0 679 630 A	11-02-95			
		• •				
		• •		,		-
		- 1	7 1		//	

Examiner Date Signature Considered l

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation II not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. any comments on the amount of time you are required complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES FOR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents Washington. DC 20231. Patents, Washington, DC 20231.

								untess it contains a valid OMB control
		SU	PPLEM	FNTA		Applicant Number		10/612,667
						Filing Date		07/02/03
			NT BY	-		First Named Invent	tor	Beard, et al.
31	A I I			APPL		Group Art Unit		1624
	lus	sa as <i>i</i>	nany sheets	as nece	ssarv)	Examiner Name		MCKENZIE, THOMAS C
She				of	2	Attorney Docket Nur	nber	600-33-DIV
0110	<u> </u>						والعرب ويري	
						ON PATENT LIERAT		
Exami Initials		Cite No. ¹			, journal, serial,		date, pate	vhen appropriate), title of the item e(s), volume-issue number(s), hed
40	2 4		J. Am. Ch	em. Soc.	, 1998, 120,	9722.		
7	5							
			J. Am. Ch	em. Soc.	., 1999,121, 6	5090.		
					·, , ,			
						ovel synthesis of 6-dem 031143, page 801; figui		acronycine" Heterocycles age 804, paragraph 1.
C						sis of des-N-methylacron 81701, page 2245; figur		ind acronycine" J. Org. Chem
				· ····				
• • • • • • • • • • • •								
	·							
						<u>^</u>		

-/

OIPE

3

1

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231